

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P952083

Luminaire Tested: **GALN-SB6A-750-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-750-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28127 lumens
Efficiency: N/A
Efficacy: 164.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

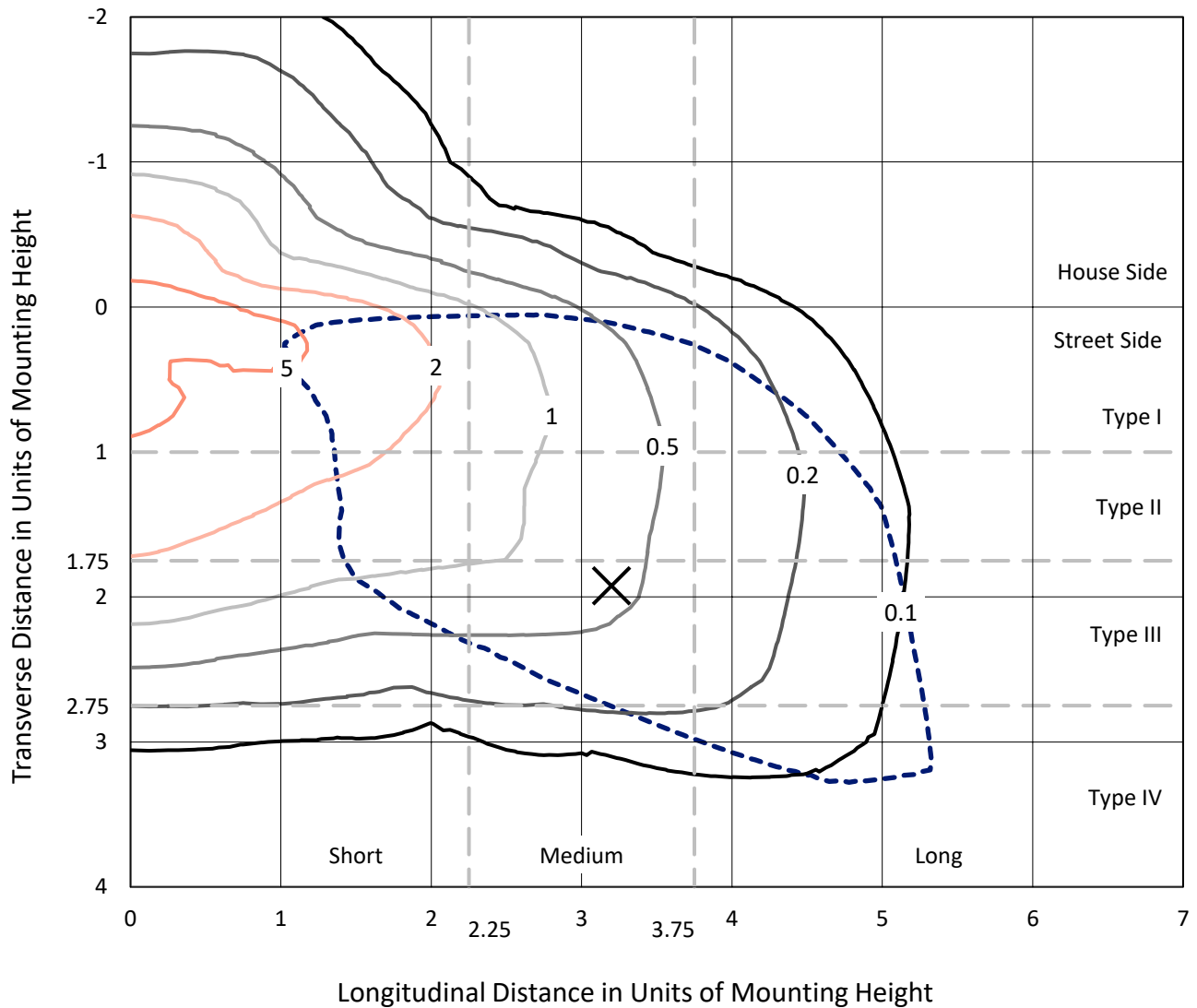
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

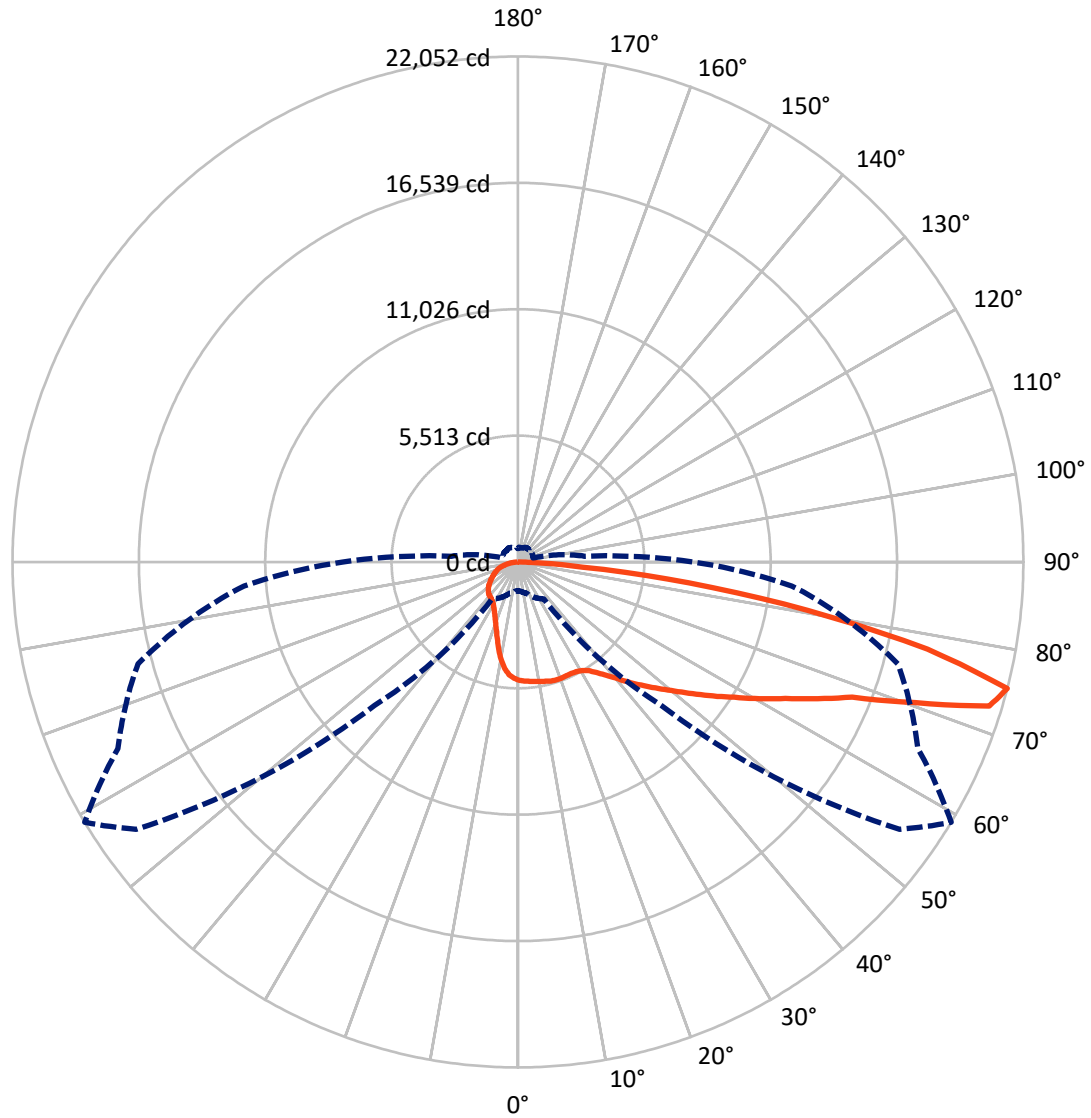
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5275.4	0.0	5275.4
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	22851.6	0.0	22851.6
	% Fixture	81.2	0.0	81.2
Total	Lumens	28127.0	0.0	28127.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.9	1.6
10°-20°	1183.2	4.2
20°-30°	1797.2	6.4
30°-40°	2671.6	9.5
40°-50°	3973.1	14.1
50°-60°	5393.0	19.2
60°-70°	6583.9	23.4
70°-80°	5167.0	18.4
80°-90°	895.1	3.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	28127.0	100.0
0°-180°	28127.0	100.0



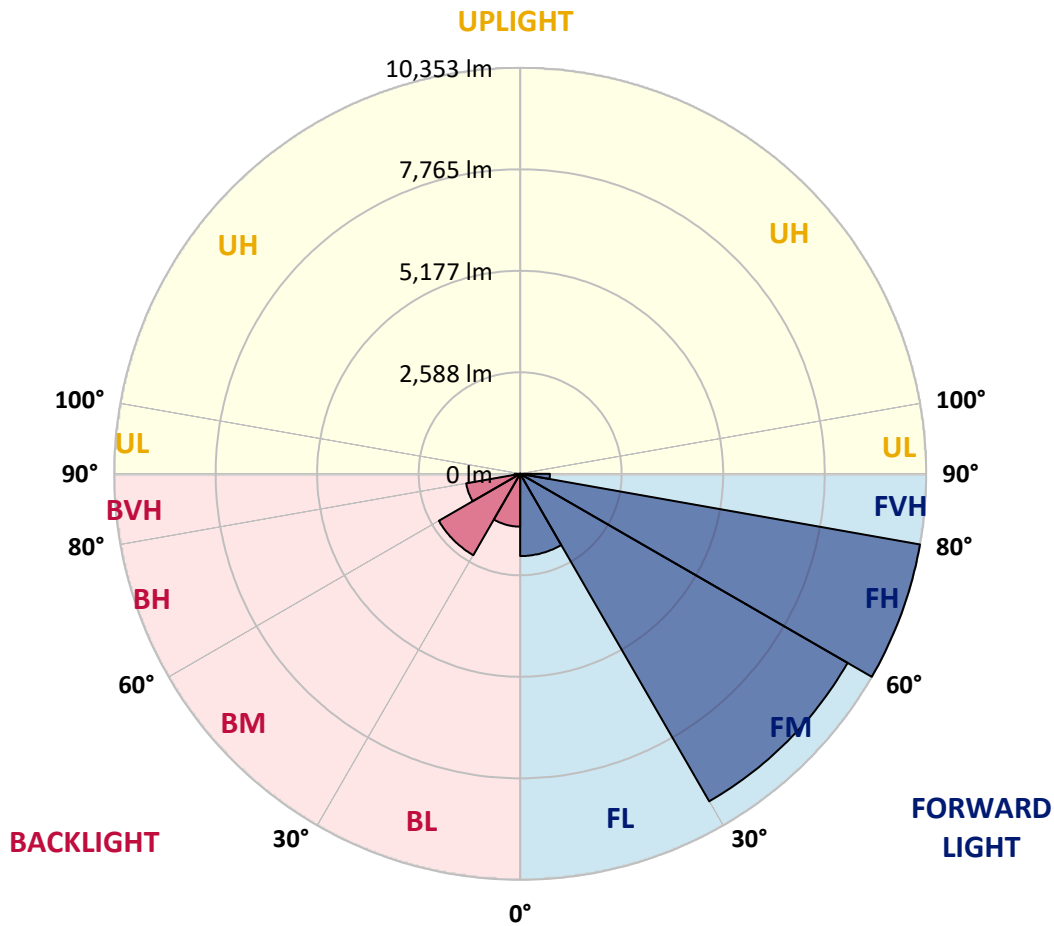
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2097.2	7.5			
FM (30°-60°)	9643.1	34.3			
FH (60°-80°)	10353.3	36.8			G4/12000
FVH (80°-90°)	758.0	2.7			G5
BL (0°-30°)	1346.2	4.8	B3/2500		
BM (30°-60°)	2394.5	8.5	B2/2500		
BH (60°-80°)	1397.7	5.0	B3/2500		G3/2500
BVH (80°-90°)	137.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	5162.6	5162.6	5162.6	5162.6	5162.6	5162.6	5162.6	5162.6	5162.6	5162.6
2.5°	5206.5	5188.4	5206.5	5199.0	5195.9	5189.9	5191.4	5202.0	5195.9	5203.5
5°	5171.7	5161.1	5179.3	5174.8	5194.4	5197.4	5217.1	5229.2	5236.8	5238.3
7.5°	5114.2	5103.6	5129.4	5150.5	5192.9	5205.0	5245.9	5265.5	5276.1	5294.3
10°	4903.9	4899.4	4962.9	5043.1	5143.0	5205.0	5267.1	5300.3	5317.0	5365.4
12.5°	4531.7	4537.7	4621.0	4775.3	4975.0	5174.8	5291.3	5339.7	5365.4	5425.9
15°	4176.1	4174.6	4265.4	4430.3	4710.2	5041.6	5303.4	5386.6	5430.5	5519.7
17.5°	3970.3	3964.3	4027.8	4153.4	4413.7	4837.3	5273.1	5412.3	5506.1	5618.1
20°	3932.5	3920.4	3953.7	4015.7	4200.3	4613.4	5194.4	5412.3	5566.6	5711.9
22.5°	4070.2	4050.5	4036.9	4029.3	4111.1	4428.8	5105.2	5394.2	5655.9	5846.6
25°	4347.1	4316.8	4247.2	4179.1	4154.9	4345.6	5026.5	5389.6	5789.1	6028.1
27.5°	4795.0	4757.1	4616.4	4453.0	4306.2	4387.9	4991.7	5416.8	5935.8	6220.3
30°	5350.3	5309.4	5132.4	4881.2	4617.9	4545.3	5035.5	5497.0	6123.5	6476.0
32.5°	5848.1	5802.7	5651.4	5395.7	5040.1	4817.7	5174.8	5649.9	6418.5	6831.6
35°	6289.9	6236.9	6100.8	5864.7	5557.6	5200.5	5425.9	5920.7	6837.6	7409.6
37.5°	6722.6	6660.6	6512.3	6262.7	6047.8	5710.4	5772.4	6268.7	7394.4	8111.7
40°	7206.8	7117.6	6937.5	6690.9	6482.1	6308.1	6227.9	6695.4	7960.3	8895.4
42.5°	7675.9	7591.2	7376.3	7166.0	6904.2	6854.3	6755.9	7194.7	8579.2	9756.4
45°	8181.3	8079.9	7819.6	7553.3	7388.4	7217.4	7267.4	7694.0	9185.9	10634.0
47.5°	8654.8	8541.4	8234.2	7937.6	7846.9	7523.1	7736.4	8243.3	9816.9	11523.7
50°	8910.6	8798.6	8542.9	8275.1	8204.0	7899.8	8244.8	8847.0	10478.1	12410.3
52.5°	9123.9	9002.9	8668.5	8520.2	8499.0	8309.9	8871.2	9537.0	11139.3	13194.1
55°	9350.9	9216.2	8789.5	8656.4	8753.2	8769.8	9614.1	10319.2	11838.4	13958.2
57.5°	9612.6	9441.7	8906.0	8771.4	9001.3	9308.5	10467.5	11130.3	12525.3	14666.3
60°	9859.3	9686.8	9130.0	8954.4	9269.2	9933.4	11446.5	12112.3	13303.0	15297.3
62.5°	9907.7	9765.5	9308.5	9307.0	9632.3	10662.7	12605.5	13103.3	13982.4	15920.7
65°	9069.4	8980.2	8709.3	9293.4	10152.8	11712.8	13896.2	14371.3	14846.4	16465.4
67.5°	6902.7	6914.8	6895.1	8022.4	9732.2	13221.3	15764.8	15728.5	15913.1	17076.7
70°	3156.3	3227.4	3690.4	5537.9	7796.9	13395.3	18854.6	18384.0	17252.2	17868.0
72.5°	1705.2	1759.7	1948.9	2682.7	4687.5	11909.5	21163.5	21497.9	19033.1	18400.6
75°	1251.3	1281.6	1413.2	1705.2	1968.5	8851.6	20335.9	22051.7	19255.5	17158.4
77.5°	936.6	950.2	1057.6	1351.2	1007.7	4666.4	16249.0	18262.9	16483.6	14097.4
80°	679.4	694.5	774.7	1013.8	706.6	1706.8	11157.5	12818.9	11289.1	8986.2
82.5°	469.1	475.1	509.9	690.0	493.3	662.7	6330.8	7517.0	6302.0	3153.3
85°	282.9	290.5	305.6	402.5	279.9	314.7	2732.6	2826.4	1883.8	753.5
87.5°	116.5	124.1	136.2	169.5	110.5	87.8	450.9	565.9	352.5	220.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5162.6	0°	5162.6	5162.6	5162.6	5162.6	5162.6	5162.6	5162.6	5162.6	5162.6	5162.6
5177.8	2.5°	5170.2	5159.6	5130.9	5091.5	5055.2	5009.8	4990.2	4973.5	4958.4	4929.6
5218.6	5°	5202.0	5173.2	5096.1	4996.2	4882.7	4758.7	4637.6	4554.4	4483.3	4430.3
5265.5	7.5°	5250.4	5195.9	5055.2	4851.0	4590.7	4324.4	4083.8	3912.8	3784.2	3737.3
5332.1	10°	5300.3	5235.3	4990.2	4630.0	4180.7	3770.6	3451.3	3275.8	3172.9	3139.7
5410.8	12.5°	5359.3	5264.0	4888.8	4322.9	3722.2	3272.8	2994.4	2891.5	2838.5	2820.4
5507.6	15°	5445.6	5288.2	4736.0	3938.6	3284.9	2909.7	2729.6	2658.5	2631.3	2629.7
5607.5	17.5°	5510.7	5292.8	4498.4	3527.0	2949.0	2690.3	2542.0	2514.7	2532.9	2560.1
5705.8	20°	5583.3	5251.9	4186.7	3151.8	2713.0	2498.1	2436.1	2454.2	2498.1	2537.4
5836.0	22.5°	5634.7	5177.8	3809.9	2859.7	2508.7	2387.6	2384.6	2422.5	2446.7	2466.3
5988.8	25°	5680.1	5052.2	3410.5	2614.6	2340.7	2321.1	2354.4	2342.3	2325.6	2342.3
6141.6	27.5°	5713.4	4854.0	3053.4	2399.8	2222.7	2275.7	2256.0	2228.8	2227.3	2236.3
6321.7	30°	5702.8	4589.2	2759.9	2195.5	2139.5	2190.9	2144.0	2139.5	2135.0	2139.5
6592.5	32.5°	5702.8	4288.1	2534.4	2054.8	2086.5	2066.9	2062.3	2051.7	2033.6	2032.1
6960.2	35°	5734.6	3987.0	2340.7	1979.1	2042.7	1995.8	1998.8	1973.1	1935.2	1917.1
7447.4	37.5°	5799.7	3744.9	2148.6	1942.8	1965.5	1964.0	1951.9	1908.0	1841.4	1783.9
8055.7	40°	5957.0	3673.8	2016.9	1926.2	1929.2	1947.3	1915.6	1830.8	1679.5	1585.7
8673.0	42.5°	6203.7	3793.3	1988.2	1885.3	1905.0	1923.1	1861.1	1664.4	1557.0	1501.0
9320.6	45°	6516.9	4002.1	2050.2	1826.3	1847.5	1879.3	1694.7	1600.8	1552.4	1553.9
9962.2	47.5°	6913.3	4221.5	2165.2	1774.8	1764.3	1782.4	1584.2	1526.7	1460.1	1476.8
10578.0	50°	7371.8	4443.9	2274.2	1705.2	1672.0	1612.9	1513.1	1458.6	1373.9	1334.5
11172.6	52.5°	7868.0	4658.8	2318.0	1620.5	1572.1	1504.0	1464.7	1398.1	1295.2	1230.1
11734.0	55°	8338.6	4854.0	2269.6	1519.1	1472.2	1419.3	1413.2	1372.4	1261.9	1171.1
12233.3	57.5°	8783.5	5017.4	2148.6	1416.2	1370.9	1339.1	1379.9	1360.3	1221.1	1104.6
12705.4	60°	9160.2	5129.4	1973.1	1311.8	1280.1	1263.4	1325.5	1319.4	1163.6	1033.4
13129.0	62.5°	9459.8	5173.2	1779.4	1212.0	1204.4	1174.2	1249.8	1249.8	1090.9	963.8
13501.3	65°	9694.3	5130.9	1582.7	1113.6	1128.8	1083.4	1157.5	1148.4	1013.8	901.8
13929.5	67.5°	9901.6	4991.7	1364.8	1016.8	1051.6	994.1	1060.7	1039.5	929.0	839.8
14300.2	70°	9993.9	4667.9	1116.7	920.0	962.3	906.3	963.8	924.5	833.7	773.2
13893.2	72.5°	9252.5	3879.6	879.1	818.6	854.9	809.5	859.4	814.0	730.8	703.6
11997.3	75°	7654.7	2911.2	676.3	708.1	735.4	700.6	733.8	700.6	624.9	644.6
8862.1	77.5°	5559.1	1965.5	517.5	591.6	603.7	585.6	614.3	576.5	508.4	503.9
4416.7	80°	2764.4	1151.5	405.5	467.5	463.0	450.9	484.2	466.0	408.5	432.7
1192.3	82.5°	800.4	493.3	295.1	328.3	319.3	322.3	346.5	355.6	532.6	528.1
370.7	85°	251.2	193.7	177.0	183.1	174.0	178.5	204.3	405.5	375.2	219.4
115.0	87.5°	65.1	66.6	43.9	46.9	48.4	57.5	65.1	246.6	118.0	77.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
5162.6
4916.0
4386.4
3655.6
3088.2
2824.9
2635.8
2570.7
2551.1
2476.9
2352.8
2251.5
2156.1
2051.7
1935.2
1803.6
1597.8
1501.0
1561.5
1519.1
1345.1
1228.6
1171.1
1098.5
1028.9
959.3
895.7
833.7
761.1
680.9
588.6
481.2
428.2
540.2
237.6
81.7
0.0

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